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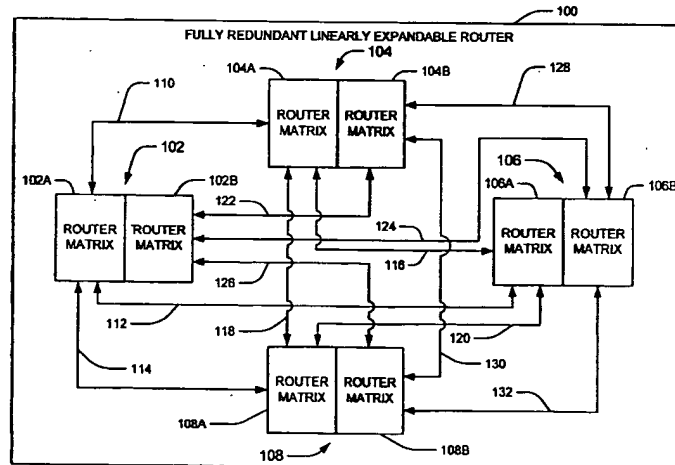
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(54) Title: FULLY REDUNDANT LINEARLY EXPANDABLE BROADCAST ROUTER



(57) **Abstract:** A fully redundant linearly expandable router (100) is comprised of first, second, third and fourth router components (102, 104, 106 and 108). Each router component (102, 104, 106 and 108) includes first and second routing engines (144 and 152, 178 and 186, 212 and 220, and 246 and 254). First, second and third discrete links (110, 112 and 114) couple the first routing engine (144) to the first routing engines (178, 212 and 246), respectively. Fourth and fifth discrete links (116 and 118) couple the first routing engine (178) to the first routing engines (212 and 246), respectively. A sixth discrete link (120) couples the routing engine (212) to the routing engine (246). Seventh, eighth and ninth discrete links (122, 124 and 126) couple the second routing engine (152) to the second routing engines (186, 220 and 254), respectively. Tenth and eleventh discrete links (128 and 130) couple the second routing engine (186) to the second routing engines (220 and 254), respectively. A twelfth discrete link (132) couples the routing engine (220) to the router engine (254).

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